
		Docket Number (Optional) <b>DP-309936</b>	Application Number <b>10/811,131</b>
		Applicant(s) <b>William J. LaBarge, et al.</b>	
		Filing Date <b>March 26, 2004</b>	Group Art Unit <b>NYA</b>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER <b>/NAY./</b>	1	M. H. Kim, et al., SAE 923925 "A Study on the Flow Characteristics of the Catalytic Converter in Automotive Emission", November 20, 1992, ABSTRACT ONLY (1 page)	
	2	Masao Tol, et al., SAE 978312, "The Optimization of the Catalytic Converter Internal Flow by Using 3D-CFD", October 21, 1997, ABSTRACT ONLY (1 page)	
	3	Herman Weltens, et al., SAE 930780, "Optimisation of Catalytic Converter Gas Flow Distribution by CFD Prediction", March 1-5, 1993, pp 131-151	
	4	Sivanandi Rajadural, SAE 2001-28-0046, "Computer Application in Converter Development from Concept to Manufacturing", pp 329-338	
	5	Sivanandi Rajadural, et al., SAE 2000-01-1417, "Catalytic Converter Design, Development and Manufacturing", pp 54-60	
	6	R. J. Clarkson, et al., SAE 931071, "An Integrated Computational Model for the Optimisation of Monolith Catalytic Converters", pp 11-24	
	7	D.G. Lloyd-Thomas, et al., SAE 931079, "Meeting Heat Flow Challenges in Automotive Catalyst Design with CFD", March 29 - April 1, 1993, pp 93-101	
	8	Achim Heibel, et al., SAE 1999-01-0768, "A New Coverter Concept Providing Improved Flow Distribution and Space Utilization", March 1-4, 1999, pp 1-10	
	9	Stephen Massey, et al., SAE 2002-01-0005, "Modelling Exhaust Systems Using One-Dimensional Methods", March 4-7, 2002, 5 pages	
	10	H Knon, SAE 2001-01-3806, "Close-Coupled Converter Modeling with a Thinwall Substrate for a Gasoline Engine", November 19-22, 2001, 7 pages	
	11	Richard J. Matus, SAE 941082, "Modelling of Exhaust System with CFD", April 12-13, 1994, pp 1-6	
	12	Joachim Braun, et al., SAE 2002-01-0065, "Three-Dimensional Simulation of the Transient Behavior of a Three-Way Catalytic Converter", March 4-7, 2002, 11 pages	
EXAMINER	<b>/Natasha Young/</b>		DATE CONSIDERED <b>09/18/2007</b>
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>DP-309936</b>		Application Number <b>10/811,131</b>	
		Applicant(s) <b>William J. LaBarge, et al.</b>			
		Filing Date <b>March 26, 2004</b>		Group Art Unit <b>NYA</b>	
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>				
/N.Y./	13	S. Park, et al., SAE 18-216-D2-161, "Simulation on the Characteristic of Gas Flow and Mixing for the Location of the Oxygen Sensor in the Exhaust System", November 19, 2001, pp 161-169			
	14	S. F. Benjamin, et al., SAE 17-215-C4-379, "Modeling the Flow Distribution Through Automotive Catalytic Converters", February 2, 2001, pp 379-383			
	15	S. Rajadurai, et al., SAE 990050, "Catalytic Converter Design, Development and Optimisation Using Computational Analysis and Engineering", pp 483-490			
	16	N. S. Will, et al., SAE 94A035, "The Use of CFD as an Aid to Catalytic Converter Design", pp 387-397			
	17	L. S. Mukadi, et al., "Modelling the three-way catalytic converter wloth mechanistic kinetics using the Newton-Krylov method on a parallel computer", Computers and Chemical Engineering 26 (2002), pp 439-455, October 18, 2001			
	18	Soo-Jin Jeong, et al., "Simulation of Thermal and Flow Characteristics for Optimum Design of an Automotive Catalytic Converter", Chem. Eng. Comm., 189: 1314-1339, 2002, June 28, 2000			
	19	T. Shamim, et al., "A Comprehensive Model to Predict Three-Way Catalytic Converter Performance", Journal of Engineering for Gas Turbines and Power, April 2002, Vol. 124, pp 421-428			
	20	Soo-Jin Jeong, et al., "An Application of CFD to Improve Warm-up Performance of the 3-way Auto-Catalyst by High Surface Area and Low Thermal Mass", Int. J. of Vehicle Design, Vol. 29, No. 3, 2002, pp 243-268			
	21	Dimitrios N. Tsinoglou, et al., "Oxygen Storage Modeling in Three-Way Catalytic Converters", Ind. Eng. Chem. Res. 2002, 41, pp 1152-1165, Published 01/30/2002			
	22	Sandip Mazumder, et al., "Sub-Grid Scale Modeling of Heterogeneous Chemical Reactions and Transport in Full-Scale Catalytic Converters", Combustion and Flame 131:85-97 (2002)			
	23	Benlin Liu, et al., "Experimental Study of a Reverse Flow Catalytic Converter for a Dual Fuel Engine", The Canadian Journal of Chemical Engineering, Volume 79, August 2001, pp 491-506			
↓	24	V. Yakhnin, et al., "Stationary and Traveling Hot Sports in the Catalytic Combustion of Hydrogen in Monoliths", Chemical Engineering Science 57 (2002) pp 4559-4567			
EXAMINER		/Natasha Young/		DATE CONSIDERED 09/18/2007	
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>					



<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>DP-309936</b>		Application Number
		Applicant(s) <b>William J. LaBarge, et al.</b>		
		Filing Date		Group Art Unit

*EXAMINER INITIAL	OTHER DOCUMENTS	(Including Author, Title, Date, Pertinent Pages, Etc.)
N.Y./          	1	Achim Heibel and Michael A.A. Spaid, "A New Converter Concept Providing Improved Flow Distribution and Space Utilization", SAE Technical Paper Series, 1999-01-0768, March 1-4, 1999, 10 pages
	2	William Taylor III, "CFD Prediction and Experimental Validation of High-Temperature Thermal Behavior in Catalytic Converters", SAE Technical Paper Series, 1999-01-00454, March 1-4, 1999, 14 pages
	3	J. Wollin and S.F. Benjamin, "A Study of the Flow Performance of Ceramic Contoured Substrates for Automotive Exhaust Catalyst Systems", SAE Technical Paper Series, 1999-01-3626, October 25-28, 1999, 8 pages
	4	Cathy Chung, Sivanandi Rajadurai and Larry Geer, "CFD Investigation of Thermal Fluid Flow and Conversion Characteristics of the Catalytic Converter", SAE Technical Paper Series, 1999-01-0462, March 1-4, 1999, 6 pages
	5	Mert E. Berkman and Ashutosh Katari, "Transient CFD: How Valuable is it for Catalyst Design?", SAE Technical Paper Series, 2002-01-0064, March 4-7, 2002, 6 pages
	6	Michael Breuer, et al., "Experimental Approach to Optimize Catalyst Flow Uniformity", SAE Technical Paper Series, 2000-01-0865, March 6-9, 2000, 7 pages
	7	Jian-Xin Wang, et al., "Experiment and Numerical Simulation of Unsteady Temperature Fields in Automotive Catalytic Converters", SAE Technical Paper Series, 2001-01-3563, September 24-27, 2001, 9 pages
	8	Shuai Shi-Jin, et al., "Study on Flow Characteristics of Automotive Catalyst Converters with Various Configurations", SAE Technical Paper Series, 2000-01-0208, March 6-9, 2000, 12 pages
	9	Meda Lakshmikantha and Mathias Kec, "Optimization of Exhaust Systems", SAE Technical Paper Series, 2002-01-0059, March 4-7, 2002, 12 pages

EXAMINER <b>/Natasha Young/</b>	DATE CONSIDERED <b>09/18/2007</b>
------------------------------------	--------------------------------------

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.